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M3 - [01] A103 A111 A940 C108 C803 C802 C807 C805 C804 B720 A119 B831 B114
B701 B712 Q453 M782 R004 M411 M902

- [02] A111 A940 C730 C108 C106 C803 C802 C807 C805 C801 A119 C500 C530
C550 A500 Q453 M782 R004 M411 M902

PA - (SAID-N) SAIDEN CHEM KK

PN - JP51069519 A 19760616 DW197631 000pp

PR - JP19740142470 19741213

XIC - C04B-013/22 ; C04B-019/04

AB - J51069519 Water soluble alkali silicate is hardened using carbonic zirconyl salt e.g. ammonium carbonic zirconyl $(\text{NH}_4)_2\text{ZrO}(\text{CO}_3)_2$, potassium carbonic zirconyl $\text{K}_2\text{ZrO}(\text{CO}_3)_2$, sodium carbonic zirconyl $\text{Na}_2\text{ZrO}(\text{CO}_3)_2$. These hardeners are esp. for water soluble alkali silicate, pref. water glass (sodium silicate having mol ratio of $\text{SiO}_2/\text{Na}_2\text{O} = 1.5-4$), potassium glass (potassium silicate having mol ratio of $\text{SiO}_2/\text{K}_2\text{O} = 1.5-4$) and lithium silicate (mol ratio of $\text{SiO}_2/\text{Li}_2\text{O} = 3.5-25$), and are used at 0.1 - 20 wt.% (pref. 0.5 - 8 wt.%) on $\text{Na}_2\text{O} + \text{SiO}_2$ of water glass. These hardeners have high transparency and high adhesiveness, and are water-, chemicals- and heat-resisting and incombustible.

IW - HARDEN WATER SOLUBLE ALKALI SILICATE CARBONIC ZIRCONYL SALT

IKW - HARDEN WATER SOLUBLE ALKALI SILICATE CARBONIC ZIRCONYL SALT

NC - 001

OPD - 1974-12-13

ORD - 1976-06-16

PAW - (SAID-N) SAIDEN CHEM KK

TI - Hardener for water soluble alkali silicate - is carbonic zirconyl salt